

1   **WHAT IS CLAIMED IS:**

1           1.       An actuator arm assembly for a disk drive, comprising:  
2                 a first stamped actuator arm, the first actuator arm including a first arm portion, a first  
3             body portion defining a first body surface, the first stamped actuator arm further including a first  
4             coil-supporting arm portion defining a first pair of coil supporting arms for supporting a coil of a  
5             voice coil motor;

6                 a second stamped actuator arm, the second stamped actuator arm including a second arm  
7             portion, a second body portion defining a second body surface, the second stamped actuator arm  
8             further including a second coil-supporting arm portion defining a second pair of coil supporting  
9             arms for supporting the coil of the voice coil motor;

10                 wherein the first and second stamped actuator arms are configured such that when the first  
11             stamped actuator arm is attached to the second stamped actuator arm,

12                 the first pair of coil supporting arms faces and is in contact with the second pair of  
13             coil supporting arms to define first and second coil attachment surfaces, and

14                 the first body surface faces and is in contact with the second body surface to define  
15             a third coil attachment surface.

1           2.       The actuator arm assembly of claim 1, wherein the first, second and third coil  
2             attachment surfaces are configured to enable the coil to be attached to the actuator arm assembly  
3             by a first layer of adhesive between the first coil attachment surface and the coil, by a second layer  
4             of adhesive between the second coil attachment surface and the coil and by a third layer of  
5             adhesive between the third coil attachment surface and the coil.

1           3.       The actuator arm assembly of claim 1, wherein the first stamped actuator arm  
2             defines a first surface that defines a first through bore, the second stamped actuator arm defines a  
3             second surface that defines a second through bore.

1           4. The actuator arm assembly of claim 3, further comprising a collar, the collar being  
2 fitted within the first and second through bores.

- 1        5. A head stack assembly for a disk drive, the head stack assembly comprising:
  - 2            an actuator arm assembly, comprising:
    - 3                  a first stamped actuator arm, the first actuator arm including a first arm portion, a
    - 4                  first body portion defining a first body surface, the first stamped actuator arm further including a
    - 5                  first coil-supporting arm portion defining a first pair of coil supporting arms for supporting a coil
    - 6                  of a voice coil motor;
    - 7                  a second stamped actuator arm, the second stamped actuator arm including a
    - 8                  second arm portion, a second body portion defining a second body surface, the second stamped
    - 9                  actuator arm further including a second coil-supporting arm portion defining a second pair of coil
    - 10                 supporting arms for supporting the coil of the voice coil motor,
  - 11                 wherein the first and second stamped actuator arms are configured such that when
  - 12                 the first stamped actuator arm is attached to the second stamped actuator arm, the first pair of coil
  - 13                 supporting arms faces and is in contact with the second pair of coil supporting arms to define first
  - 14                 and second coil attachment surfaces, and the first body surface faces and is in contact with the
  - 15                 second body surface to define a third coil attachment surface;
  - 16                 a first head gimbal assembly coupled to the actuator arm assembly, and
  - 17                 a coil portion attached to the first, second and third coil attachment surfaces.
- 1        6. The head stack assembly of claim 5, wherein the coil portion is attached to the
- 2        first, second and third coil attachment surfaces by adhesive.
- 1        7. The head stack assembly of claim 5, wherein the first, second and third coil
- 2        attachment surfaces are configured to enable the coil portion to be attached to the actuator arm
- 3        assembly by a first layer of adhesive between the first coil attachment surface and the coil portion,
- 4        by a second layer of adhesive between the second coil attachment surface and the coil portion and
- 5        by a third layer of adhesive between the third coil attachment surface and the coil portion.

1        8. The head stack assembly of claim 5, further including a second head gimbal  
2 assembly coupled to the second actuator arm portion.

1        9. The head stack assembly of claim 5, wherein the first stamped actuator arm defines  
2 a first surface that defines a first through bore, the second stamped actuator arm defines a second  
3 surface that defines a second through bore.

1        10. The head stack assembly of claim 8, further comprising a collar, the collar being  
2 fitted within the first and second through bores.

1        11. A disk drive, comprising:

2            a disk;

3            a head stack assembly for reading and writing to the disk, the head stack assembly

4 including an actuator arm assembly that comprises:

5            a first stamped actuator arm, the first actuator arm including a first arm portion, a  
6 first body portion defining a first body surface, the first stamped actuator arm further including a  
7 first coil-supporting arm portion defining a first pair of coil supporting arms for supporting a coil  
8 of a voice coil motor;

9            a second stamped actuator arm, the second stamped actuator arm including a  
10 second arm portion, a second body portion defining a second body surface, the second stamped  
11 actuator arm further including a second coil-supporting arm portion defining a second pair of coil  
12 supporting arms for supporting the coil of the voice coil motor,

13            wherein the first and second stamped actuator arms are configured such that when  
14 the first stamped actuator arm is attached to the second stamped actuator arm, the first pair of coil  
15 supporting arms faces and is in contact with the second pair of coil supporting arms to define first  
16 and second coil attachment surfaces, and the first body surface faces and is in contact with the  
17 second body surface to define a third coil attachment surface;

18            a first head gimbal assembly coupled to the actuator arm assembly, and

19            a coil portion attached to the first, second and third coil attachment surfaces.

1        12. The disk drive of claim 11, wherein the coil portion is attached to the first, second  
2 and third coil attachment surfaces by adhesive.

1        13. The disk drive of claim 11, wherein the first, second and third coil attachment  
2 surfaces are configured to enable the coil portion to be attached to the actuator arm assembly by a  
3 first layer of adhesive between the first coil attachment surface and the coil portion, by a second  
4 layer of adhesive between the second coil attachment surface and the coil portion and by a third  
5 layer of adhesive between the third coil attachment surface and the coil portion.

1        14. The disk drive of claim 5, further including a second head gimbal assembly coupled  
2 to the second actuator arm portion.

1        15. The disk drive of claim 5, wherein the first stamped actuator arm defines a first  
2 surface that defines a first through bore, the second stamped actuator arm defines a second  
3 surface that defines a second through bore.

1        16. The disk drive of claim 15, further comprising a collar, the collar being fitted  
2 within the first and second through bores.